

Work Order ID 111846***111846***

Page 1

January-23-14 2:37:44 PM

Item ID: E4736-049

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Service Deck Drain Line Assembly

Start Date: 24/01/2014 Start Qty: 5.00 ***5***

Cust Item ID:

Required Date: 28/02/2014 Req'd Qty: 5.00 ***5***

Customer:

Reference:

Approvals:

Process Plan: AADate: 14-01-23 Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

E4736

100

0.00

100

Purchasing

Memo

0.00

Purchasing

Issue P/O: 22800

Fabricate as per dwg E4736

Purchase Part Number: E4736-1

Supplier: FIELD AVIATION

Certificate of conformity is required

CL 14/01/27 ⑤

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

14/4/2 ⑤

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Work Order ID 111846

111846

Page 2

January-23-14 2:37:44 PM

Item ID: E4736-049 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Service Deck Drain Line Assembly
 Start Date: 24/01/2014 Start Qty: 5.00 *5* Cust Item ID:
 Required Date: 28/02/2014 Req'd Qty: 5.00 *5* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC6- Inspect dimensions to drawing Memo	0.00 27 9-89 14/4/2				S			
130 *130* Packaging Packaging	Identify as per dwg & Stock Location: _____ Memo 5XPPP111858	0.00 0.00				5X	DAS 26 9-89	APR 02 2014	
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							PL 1404-3 MLJ 1404-03

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

January-23-14 2:37:47 PM

Page 1

Work Order ID: 111846

111846

Parent Item: E4736-049

F4736-049

Parent Item Name: Service Deck Drain Line Assembly

Start Date: 24/01/2014

Required Date: 28/02/2014

Start Qty: 5.00

Required Qty: 5.00

Comments: IPP REV:A NEW ISSUE 14-01-22 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
E4736-049P		Purchased		No			Each	0.0000		5			
F4736-049P									**				
Service Deck Drain Line Assembly													

1-14/12 *(5)*

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

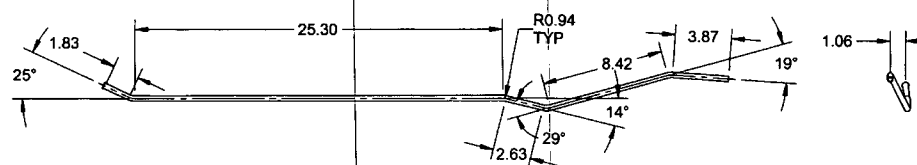
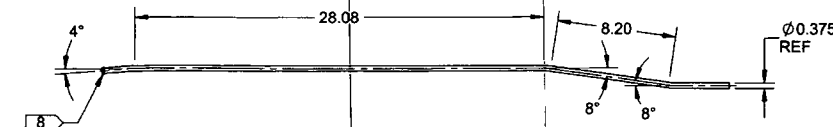
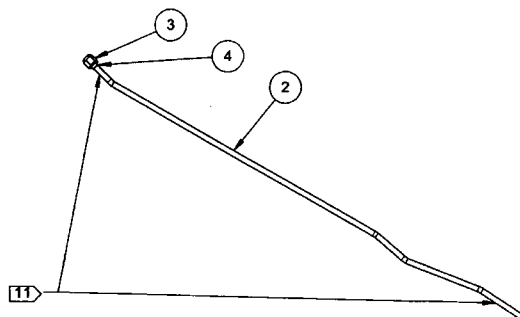
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION
1	X	E4736-041	DRAIN LINE ASSEMBLY
2	1	E4736-1	TUBE
3	1	AN818-6D	NUT COUPLING
4	1	MS20819-6J	SLEEVE COUPLING

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.94	1.79	23.0°	0.0°
2	0.94	27.77	16.0°	180.0°
3	0.94	30.79	33.0°	355.0°
4	0.94	39.66	23.0°	173.0°
END B - TL	-	44.03	-	-



E4736-041 FUEL FILTER DRAIN LINE ASSEMBLY

E4736-1 TUBE

NOTES:

- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, $\phi 0.375 \times 0.035$ WALL
PER WW-T-700/6 OR AMS 4080 OR AMS 4082
OR QQ-A-200/8 OR QQ-A-225/8
REF DART SPEC M6061T4T0.375W.035
OR
5052-O ALUMINUM ROUND TUBING, $\phi 0.375 \times 0.035$ WALL
PER AMS-WW-T-700/4 OR ASTM-B-210-02
REF DART SPEC. M5052-OT0.375W.035
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.17 lbs
- 8) FLARE TUBE PER MS33584
- 9) PRESSURE TEST TO 200 PSI
- 10) MARK LINE WITH BRADY B-999 "FUEL" & "DRAIN" TAPE IN LOCATIONS SHOWN

111846 MP
14-01-23

RELEASED
2013-11-28

REV.	NEW ISSUE	DESCRIPTION	DC	12.11.01
			BY	DATE
DESIGN				
DRAWN				
CHECKED				
MFG. APPR.				
APPROVED				
DE APPR.				
DATE	12.11.01			

EAGLE COPTERS LTD
CALGARY, ALBERTA, CANADA

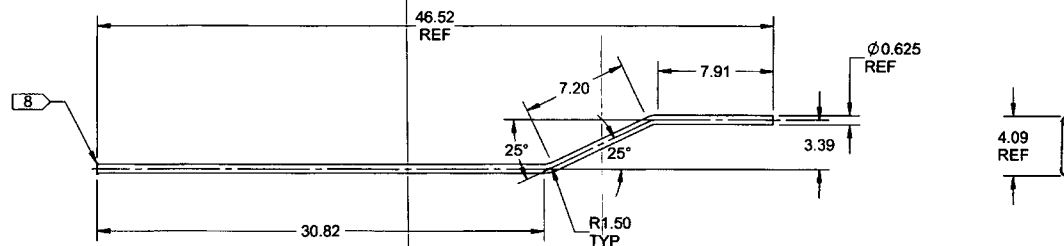
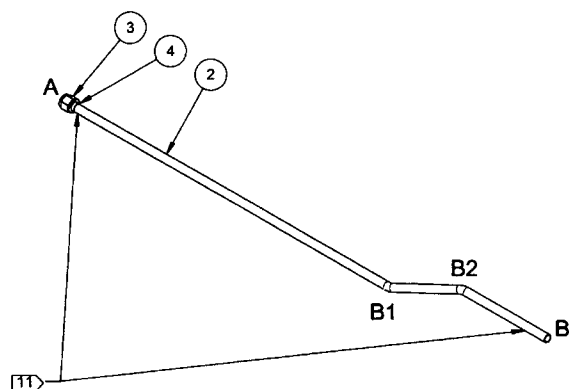
DRAWING NO.
E4736
REV. A
SHEET 1 OF 5

TITLE
DRAIN LINE
SCALE
NTS

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ITEM NO.	QTY. -043	PART NUMBER	DESCRIPTION
1	X	E4736-043	DRAIN LINE ASSEMBLY
2	1	E4736-3	TUBE
3	1	AN818-10D	NUT COUPLING
4	1	MS20819-10J	SLEEVE COUPLING

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	1.50	30.29	23.0°	0.0°
2	1.50	38.61	21.0°	174.0°
END B - TL	-	47.20	-	-



E4736-043 SERVICE DECK DRAIN LINE ASSEMBLY

E4736-3 TUBE

NOTES:

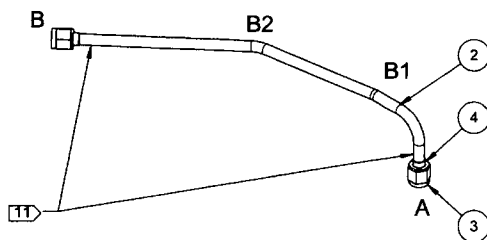
- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, $\phi 0.625 \times 0.035$ WALL
PER WW-T-700/6 OR AMS 4080 OR AMS 4082
OR QQ-A-200/8 OR QQ-A-225/8
REF DART SPEC M6061T4T0.625W.035
OR
5052-O ALUMINUM ROUND TUBING, $\phi 0.625 \times 0.035$ WALL
PER AMS-VW-T-700/4 OR ASTM-B-210-02
REF DART SPEC. M5052-O0.625W.035
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.42 lbs
- 8) FLARE TUBE PER MS33584
- 9) PRESSURE TEST TO 200 PSI
- 10) MARK LINE WITH BRADY B-999 "DRAIN" TAPE IN LOCATIONS SHOWN

DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		E4736	SHEET 2 OF 5
APPROVED		TITLE	SCALE
DE APPR.		DRAIN LINE	NTS
DATE	12.11.01	COPYRIGHT © 2012 BY EAGLE COPTERS LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.	

RELEASED
2013-11-28

ITEM NO.	QTY. -045	PART NUMBER	DESCRIPTION
1	X	E4736-045	DRAIN LINE ASSEMBLY
2	1	E4736-5	TUBE
3	2	AN818-6D	NUT COUPLING
4	2	MS20819-6J	SLEEVE COUPLING

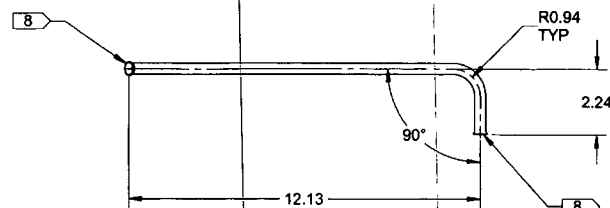
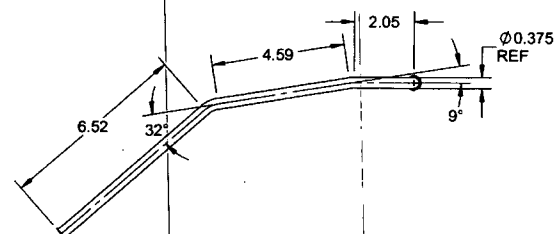
BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A		0.00	-	-
1	0.94	1.32	88.0°	0.0°
2	0.94	8.81	32.0°	275.0°
END B - TL		15.71	-	-



E4736-045 FUEL FILTER DRAIN LINE ASSEMBLY

NOTES:

- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, $\phi 0.375 \times 0.035$ WALL
PER WW-T-700/6 OR AMS 4080 OR AMS 4082
OR QQ-A-200/8 OR QQ-A-225/8
REF DART SPEC M6061T4T0.375W.035
OR
5052-O ALUMINUM ROUND TUBING, $\phi 0.375 \times 0.035$ WALL
PER AMS-VW-T-700/4 OR ASTM-B-210-02
REF DART SPEC. M5052-OT0.375W.035
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.10 lbs
- 8) FLARE TUBE PER MS33584
- 9) PRESSURE TEST TO 200 PSI
- 10) MARK LINE WITH BRADY B-999 "FUEL" & "DRAIN" TAPE IN LOCATIONS SHOWN

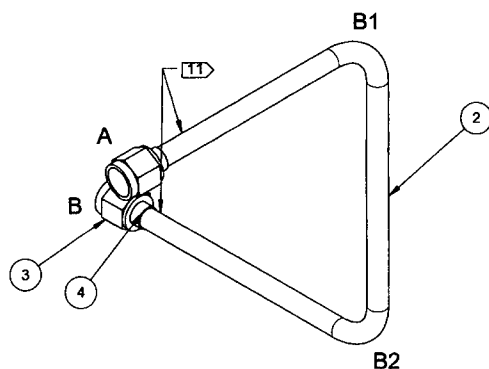


E4736-5 TUBE

RELEASED
2013-11-28

DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		E4736	SHEET 3 OF 5
APPROVED		TITLE	SCALE
DE APPR.		DRAIN LINE	NTS
DATE	12.11.01	COPYRIGHT © 2012 BY EAGLE COPTERS LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.	

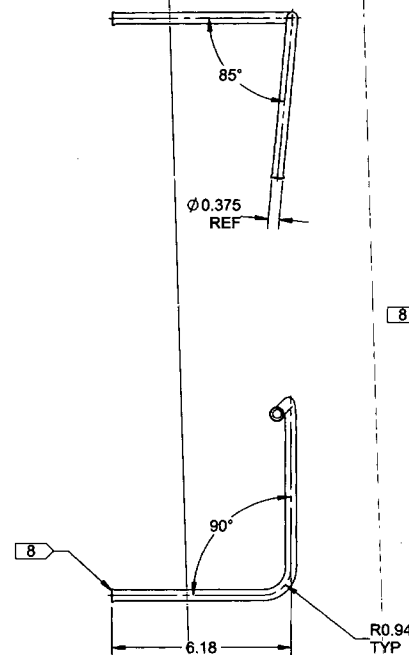
ITEM NO.	QTY. -047	PART NUMBER	DESCRIPTION
1	X	E4736-047	DRAIN LINE ASSEMBLY
2	1	E4736-7	TUBE
3	2	AN818-6D	NUT COUPLING
4	2	MS20819-6J	SLEEVE COUPLING



E4736-047 VENT LINE ASSEMBLY

NOTES:

- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, $\phi 0.375 \times 0.035$ WALL
PER WW-T-700/6 OR AMS 4080 OR AMS 4082
OR QQ-A-200/8 OR QQ-A-225/8
REF DART SPEC M6061T4T0.375W.035
OR
5052-O ALUMINUM ROUND TUBING, $\phi 0.375 \times 0.035$ WALL
PER AMS-WW-T-700/4 OR ASTM-B-210-02
REF DART SPEC. M5052-OT0.375W.035
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.09 lbs
- 8) FLARE TUBE PER MS33584
- 9) PRESSURE TEST TO 200 PSI
- 10) MARK LINE WITH BRADY B-999 "FUEL" & "VENT" TAPE IN LOCATIONS SHOWN



E4736-7 TUBE

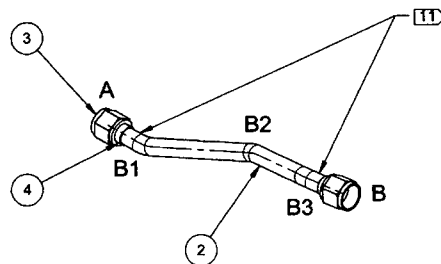
BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	0.94	4.44	98.0°	0.0°
2	0.94	10.72	88.0°	275.0°
END B - TL	-	17.34	-	-

DESIGN		EAGLE COPTERS LTD	
DRAWN		CALGARY, ALBERTA, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	E4736	SHEET 4 OF 5
APPROVED		TITLE	SCALE
DE APPR.		DRAIN LINE	NTS
DATE	12.11.01	<small>COPYRIGHT © 2012 BY EAGLE COPTERS LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

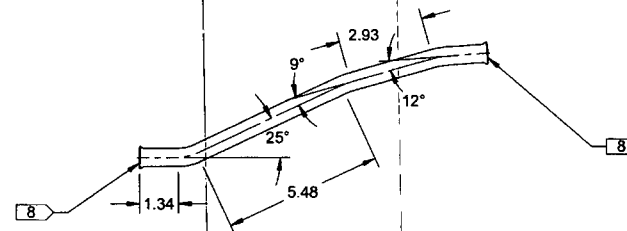
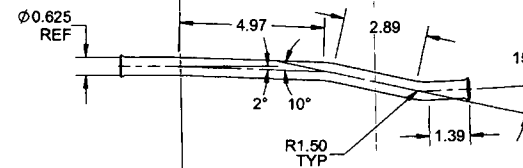
RELEASED
2013-11-28

ITEM NO.	QTY. -049	PART NUMBER	DESCRIPTION
1	X	E4736-049	DRAIN LINE ASSEMBLY
2	1	E4736-9	TUBE
3	2	AN818-10D	NUT COUPLING
4	2	MS20819-10J	SLEEVE COUPLING

BEND #	BEND RADIUS (IN)	DISTANCE FROM END (IN)	BEND ANGLE (DEG)	PITCH (DEG)
END A	-	0.00	-	-
1	1.50	1.28	25.0°	0.0°
2	1.50	5.38	16.0°	278.0°
3	1.50	11.52	30.0°	150.0°
END B - TL	-	13.46	-	-



E4736-049 SERVICE DECK DRAIN LINE ASSEMBLY



E4736-9 TUBE

NOTES:

- 1) MATERIAL: 6061-T4 ALUMINUM TUBING, $\phi 0.625 \times 0.035$ WALL
PER WW-T-700/6 OR AMS 4080 OR AMS 4082
OR QQ-A-200/8 OR QQ-A-225/8
REF DART SPEC. M6061T4T0.625W.035
OR
5052-O ALUMINUM ROUND TUBING, $\phi 0.625 \times 0.035$ WALL
PER AMS-WW-T-700/4 OR ASTM-B-210-02
REF DART SPEC. M5052-OT0.625W.035
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.13 lbs
- 8) FLARE TUBE PER MS33584
- 9) PRESSURE TEST TO 200 PSI
- 10) MARK LINE WITH BRADY B-999 "DRAIN" TAPE IN LOCATIONS SHOWN

DESIGN		EAGLE COPTERS LTD	
DRAWN	SC	CALGARY, ALBERTA, CANADA	
CHECKED	SC	DRAWING NO.	REV. A
MFG. APPR.	N/A	E4736	SHEET 5 OF 5
APPROVED		TITLE	SCALE
DE APPR.		DRAIN LINE	NTS
DATE	12.11.01	<small>COPYRIGHT © 2012 BY EAGLE COPTERS LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22800

Purchase Order Date 1/27/2014

PO Print Date 2/4/2014

Page Number 2 of 3

Order From :

VC-FAC001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FIELD AVIATION COMPANY INC.
UNIT # 125 4300-26TH ST N.E.
CALGARY, ALBERTA, T1Y 7H7
CANADA

Contact Name

Vendor Phone 403-516-8200

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

3	E4736-045P	Fuel Filter Drain Line Assembly	4/10/2014	5.00	\$396.35	\$1,981.75
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Yes Each

4/10/2014

FABRICATE AS PER DWG E4736 REV. A
B111848

Line Total: \$1,981.75

4	E4736-047P	Vent Line Assembly	4/10/2014	5.00	\$396.35	\$1,981.75
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Yes Each

4/10/2014

FABRICATE AS PER DWG E4736 REV. A
B111847

Line Total: \$1,981.75

5	E4736-049P	Service Deck Drain Line Assembly	4/10/2014	5.00	\$451.30	\$2,256.50
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Yes Each

4/10/2014

FABRICATE AS PER DWG E4736 REV. A
B111846

Note:

2/4/2014

Field Aviation Company, Inc.
Unit # 125
4300 - 26th Street NE
Calgary AB T1Y 7H7
Phone: (403) 516-8200
Fax: (403) 516-8317



SHIPPED APR 01 2014

Date: 4/1/14
Customer #: 100310

Ship To #: 100310
Order #: 3810 SO
Branch/Plant: 101010

SOLD TO: Dart Aerospace
1270 Aberdeer
Hawkesbury ON
K6A 1X7

SHIP TO: Dart Aerospace
1270 Aberdeer
Hawkesbury ON
K6A 1X7



ORDER DATE	REQ'D BY	CUSTOMER PO	SHIP VIA
2014-01-27	2014-04-09	22800	Free On Board - Our Dock

LINE #	QTY ORD	QTY SHIP	ITEM #/ DRAW / REV	DESCRIPTION/ HS CODE	BATCH #/ LOCATION
5.000	5	5	TUBE FABRICATION C/SMPL	TUBE FABRICATION	SCA 111 12494 MF- 12498

Certification Clause:

I certify the items listed hereon have been fabricated, inspected and tested as applicable and conform to all specifications and requirements detailed in the contract or purchase order.

FABRICATED AS PER CUSTOMER SUPPLIED DWG
LN 1 - PN: E4736-041P FUEL FILTER DRAIN LINE
LN 2 - PN: E4736-043P SERVICE DECK DRAIN LINE
LN 3 - PN: E4736-045P FUEL FILTER DRAIN LINE
LN 4 - PN: E4736-047P VENT LINE ASSY
LN 5 - PN: E4736-049P SERVICE DECK DRAIN LINE

Authorized Inspector:  

Date: 1 APR 2014

SHIPMENT AUTHORIZATION BY:	BUYER:	PACKED BY:	SHIPPED BY:	RECEIVED BY:
